

**Delaware  
Division of  
Air Quality**

**2010**

**Air Toxics Strategic Plan**

**Mid-year Status**  
(January through June 2010)

**Detailed Report**

**Delaware**  
**Division of Air Quality**  
**2010 Air Toxics Strategic Plan**

**The Air Toxics Strategic Plan (ATSP) is a five-year plan of activities to be undertaken by Division of Air Quality (DAQ) and its partners to reduce the risk of adverse health effects caused by the inhalation of air toxics. The 2010 - 2014 ATSP, finalized on January 6, 2010, is organized within the following components.**

- **Implement an on-going program to address the risks from exposure to air toxics**
- **Build a greater understanding of ambient air toxics environment**
- **Identify potential harm from exposure to air toxics**
- **Gather information related to air toxics sources**
- **Identify options for reducing air toxics in the environment**
- **Implement appropriate actions to reduce the harm from exposure to air toxics**
- **Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics**
- **Enhance DAQ air toxics resources**

## **ACRONYMS**

<b>ATSP</b>	<b>Air Toxics Strategic Plan</b>
<b>CAA</b>	<b>Clean Air Act</b>
<b>CFR</b>	<b>Code of Federal Regulations</b>
<b>CMAQ</b>	<b>Congestion Mitigation and Air Quality Improvement Program</b>
<b>DAQ</b>	<b>Division of Air Quality</b>
<b>DATAS</b>	<b>Delaware Air Toxics Assessment Study</b>
<b>DE</b>	<b>Delaware</b>
<b>DelDOT</b>	<b>Delaware Department of Transportation</b>
<b>DEO</b>	<b>Delaware Energy Office</b>
<b>DNREC</b>	<b>Delaware Department of Natural Resources and Environmental Control</b>
<b>DPH</b>	<b>Delaware Division of Public Health</b>
<b>DSWA</b>	<b>Delaware Solid Waste Authority</b>
<b>EPA</b>	<b>U. S. Environmental Protection Agency</b>
<b>EPA R3</b>	<b>U. S. Environmental Protection Agency Region 3</b>
<b>GACT</b>	<b>Generally Achievable Control Technology</b>
<b>HAPs</b>	<b>Hazardous Air Pollutants, as defined in Section 112(b) of the 1990 Amendments to the Clean Air Act</b>
<b>MACT</b>	<b>Maximum Achievable Control Technology</b>
<b>MARAMA</b>	<b>Mid-Atlantic Regional Air Management Association</b>
<b>NAAQS</b>	<b>National Ambient Air Quality Standard</b>
<b>NACAA</b>	<b>National Association of Clean Air Agencies</b>
<b>NATA</b>	<b>EPA's National Air Toxics Assessment</b>
<b>OTC</b>	<b>Ozone Transport Commission</b>
<b>VOC</b>	<b>Volatile Organic Compound</b>
<b>WILMAPCO</b>	<b>Wilmington Area Planning Council</b>

## **2010 Air Toxics Strategic Plan – Mid-year Detailed Status**

	<b>Implement an ongoing program to address the risks from exposure to air toxic</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010</b>	1. Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts.		
	a. Review status and complete year-end status report on the 2009 individual Strategic Plans.	• <b>Completed on 2/19/10</b>	- - -
	b. Track implementation and report year-end-status of the 2009 Air Toxics Strategic Plan by 3/31/10.	• <b>Completed on 3/9/10</b>	- - -
	c. Review status and complete mid-year status report on the 2010 individual Strategic Plans.	• No activity this period	• 8/10
	d. Track implementation and report mid-year status on the 2010 Air Toxics Strategic Plan by 9/30/10.	• Developed and distributed mid-year review templates in 6/10	• 9/10
	e. Updating of the Air Toxics Strategic Plan for 2011-2015		
	i. Review and revise, if needed, air toxics area source program and timing, as part of the 2011 Air Toxics Strategic Plan by 10/10.	• No activity this period	• 10/10
	ii. Coordinate development of the 2011 Air Toxics Strategic Plan (ATSP) including incorporation of DATAS results.	• No activity during this period	• 11/10
	iii. Update individual Strategic Plans for 2011-2015.	• No activity during this period	• 12/10
	iv. Update and finalize 2011 Air Toxics Strategic Plan for years 2011 to 2015 by 12/31/10.	• No activity during this period	• 12/10
	2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.	• Continued to actively participate on the NACAA Air Toxics Committee	• Ongoing
	3. Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program.		
	a. Rulemaking strategy committee associated with gasoline dispensing facilities subject to Federal Sub CCCCCC, if appropriate.	• Regulatory development has been put on hold pending finalization of EPA's proposed changes to Sub CCCCCC	• 2Q/11

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement an ongoing program to address the risks from exposure to air toxic</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	4. Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.	<ul style="list-style-type: none"> <li>Continued participation in . . .               <ul style="list-style-type: none"> <li>Clean State Program (Alt. Fuels)</li> <li>National Association of State Energy Officials (NASEO)</li> <li>Delaware Tech Applied Energy Education Advisory Committee</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	5. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.	<ul style="list-style-type: none"> <li>Identified need for compliance assistance tools to assist affected sources in meeting the notification and reporting requirements of Section 13, 14 &amp; 15 of Reg. 1138</li> <li>Developed and published needed forms along with instructions for completion               <ul style="list-style-type: none"> <li>Initial Notification</li> <li>Notification of Compliance Status</li> <li>Annual Notifications of Changes Report</li> </ul> </li> </ul>	- - -
	6. Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.	<ul style="list-style-type: none"> <li>Commenced review of the distribution of air toxics assignments and the time restraints amongst the staff</li> </ul>	<ul style="list-style-type: none"> <li>7/31/10</li> </ul>
	7. Review and revise, if needed, air toxics area source activities and timing, as part of the 2011 Air Toxics Strategic Plan by 12/10.	<ul style="list-style-type: none"> <li>No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>12/10</li> </ul>
	8. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.	<ul style="list-style-type: none"> <li>Provided training and expanded cross-tasking assignments between auto body, dry cleaning and asbestos programs</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>

## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Build greater understanding of ambient air toxics environment</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010</b>	1. Determine ambient air toxics concentrations for selected HAPs in Delaware.		
	a. Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate. .	• Sampling is continuing as scheduled	• Ongoing
	b. Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation.	• VOCs and Carbonyls are being submitted. No metals data is available from the laboratory.	• Ongoing
	c. Continue to collaborate with University of Delaware on air toxics research and special projects.	• Ongoing as needed	• Ongoing
	d. Continue Upper Air Profiler project, which will provide meteorological data to National Oceanic & Atmospheric Administration (NOAA) repository for potential use in air toxics modeling, etc.	• Project is ongoing. Waiting for final equipment to convey to DNREC	• Ongoing
	e. Continue to operate the gas chromatographic mass spectrometer to quantify “Community Air Toxics” under EPA air toxics grant.	• Sampling is continuing as scheduled.	• Ongoing
	f. Issue final “Community Air Toxics” report.	• Will not be issued until the sampling is complete.	• 2012
	g. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.	• No activity this period	• Ongoing
	h. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance.	• The maintenance contract has been renewed through March 2011	• Ongoing
	i. Undertake new or special monitoring needs that may surface.	• No activity this period.	• Ongoing
	2. Provide air toxics modeled results (HAP concentrations) to support . . .		
	a. Assessment of air toxics health impacts in communities.	• No modeling needs identified	• Ongoing
	b. Improve the emissions inventory/modeling results.	• Identified and resolved an anomaly in the individual exposure results generated by the emissions process module for air toxics emissions associated with airports	• Ongoing

## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Identify potential harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010</b>	1. Characterize the cancer and non-cancer risks associated with 2003 modeled results.		
	a. Review DATAS Phase II results to determine impacts and prepare responses for anticipated questions concerning stationary sources with the release of the source apportionment information.	• DATAS Phase II Report has not been release to date	• Unknown
	b. Review DATAS Phase II findings and assess potential impact of dry cleaning and gasoline distribution air toxics on the public's health.	• DATAS Phase II Report has not been released to date	• Unknown
	c. Initiate modeled assessment of the impact of mobile source air toxics in comparison to stationary and area source air toxics, following DATAS Phase II report.	• No activity this period	• 12/10
	d. Coordinate Engineering and Compliance responses to DATAS results with other DAQ branches to ensure consistent responses.	• DATAS Phase II Report has not been release to date	• Unknown
	2. Characterize the cancer and non-cancer risks associated with 2005 National Air Toxics Assessment (NATA).		
	a. Monitor federal activities associated with the pending release of the Federal 2005 NATA and communicate any findings or inquiries impacting Delaware.	• Reviewed pre-released NATA results and communicated findings in 6/10	• Ongoing
	b. Evaluate the available pre-release risk information applicable to Delaware for possible anomalies or problems in the input information.	• Identified an anomalies regarding 1,1,2 trichloroethane; currently investigating basis for the high risk	• 3Q/10
	c. Communicate findings from the initial or published 2005 NATA, if warranted.	• No activity this period as the NATA release is scheduled for July 2010	• 3Q/10
	3. Improve air toxics characterization though refined exposure assessment methods, including Sub-Grid Scale Variability (SGV).	• Continued to refine the modeled individual exposure to air toxics	• Ongoing
	4. Characterize the cancer and non-cancer risks through future air toxics assessment programs.		
	a. Coordinate ongoing risk assessment support and guidance of DPH for air toxics risk reduction activities.	• Coordinated the reassessment of risk by DPH following revision of the DATAS modeled concentrations	• Ongoing
	b. Coordinate risk assessments needs and results for DATAS Phase II with DPH.	• Coordinated the reassessment of risk by DPH following revision of the DATAS modeled concentrations	• Ongoing
	c. Complete DATAS Phase II modeling report.	• No activity this period	• Unknown

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Identify potential harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	5. Provide modeling support to Air Quality's Community Air Toxics Study (CATS), pending the completion of the CATS.	• No activity this period	• Ongoing
	6. Provide modeling support to Engineering & Compliance associated with risk-based permitting decisions, as needed.	• Modeled potential exposure for site specific emissions to support the development of operating permit	• Ongoing
	7. Provide modeling support for DNREC's interest in a proposed multimedia total exposure study, pending the funding of the study.	• No activity this period	• Unknown
	8. Analyze monitoring data from completed special monitoring projects, i.e. DAQ/University of Delaware, and refine air toxics model, if appropriate.		
	a. Continue analysis of data collected from E-DATAS projects.	• No activity this period	• Ongoing
	b. Begin source apportionment analysis focusing on the air toxics of concern.	• No activity this period	• Ongoing

## **2010 Air Toxics Strategic Plan – Mid-year Detailed Status**

	<b>Gather information related to air toxics sources</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010</b>	1. Submit 2008 National Emissions Inventory for HAPs by 6/1/10.	<ul style="list-style-type: none"> <li>Submitted point source HAPs information, as resources were focused on submittal of the 2007 State Implementation Plan Modeling Inventory</li> <li>HAPs inventory submittal to be updated in 2H10</li> </ul>	- - -  <ul style="list-style-type: none"> <li>10/10</li> </ul>
	2. Provide emissions inventory support to the air toxics education and reduction programs, as required.	<ul style="list-style-type: none"> <li>No requests for support received during the period.</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	3. Continue review of emission inventory inputs and/or assumptions for air toxics of concern as indicated by DATAS Phase II modeling and risk assessment results.	<ul style="list-style-type: none"> <li>Reviewed inventory inputs and assumption related to air toxics emissions associated with airports</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	4. Commence working on source apportionment with the DAQ modelers associated with the DATAS Phase II results.	<ul style="list-style-type: none"> <li>No activity this period; activity is currently on hold</li> </ul>	<ul style="list-style-type: none"> <li>On Hold</li> </ul>
	5. By 12/10, identify and enter into EPA's Air Facility System (AFS) all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.	<ul style="list-style-type: none"> <li>No new affected sources identified</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	6. By 12/10, identify and enter into EPA's Air Facility System (AFS), via Delaware Environmental Navigator (DEN), all new or previously unknown affected sources which are subject to Perc Dry Cleaning (1138 Sect 5) and Motor Vehicle and Mobile Equipment Surface Coating (1138 Sect 15) standards.	<ul style="list-style-type: none"> <li>Continued to identify new and previously unknown               <ul style="list-style-type: none"> <li>Dry cleaners</li> <li>Auto body shops</li> <li>Gasoline delivery vessels</li> </ul> </li> <li>Continued to experience problems with DEN data entry systems that prevents inclusion into AFS</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	7. Determine if venting from ships to be lightered reduces the VOC and air toxics emission reductions achieved by the lightering services to a level below the maximum allowable uncontrolled lightering volume.		
	a. Commence annual audit of frequency and duration of venting from the ships to be lightered during controlled lightering operations by 2/10.	<ul style="list-style-type: none"> <li>Engineering &amp; Compliance incorporated this information into the Semi-Annual Reporting requirements; the initial 6-month report is due on 8/1/10</li> </ul>	- - -
	b. Develop path forward if VOC and air toxics emissions reductions fall below the maximum allowable uncontrolled lightering volume by 12/10.	<ul style="list-style-type: none"> <li>No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>12/10</li> </ul>

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Gather information related to air toxics sources</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	8. Submit Underground Storage Tanks (UST) Semiannual Activities Reports to the EPA by April 30 and October 31, 2010.	<ul style="list-style-type: none"> <li>Submitted initial UST Semiannual Activities report in April</li> </ul>	<ul style="list-style-type: none"> <li>10/10</li> </ul>
	9. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.	<ul style="list-style-type: none"> <li>Staff assisted in identification of sources potentially subject to               <ul style="list-style-type: none"> <li>Sub AAAAAAA (Asphalt)</li> <li>Sub DDDDDDD (Prepared Feeds)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	10. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.	<ul style="list-style-type: none"> <li>Activity is currently on hold pending identification of the key air toxics of concern, the overall level of risk, and geographic sensitivity</li> </ul>	<ul style="list-style-type: none"> <li>Unknown</li> </ul>

## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Identify options for reducing air toxics in the environment</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010</b>	1. Continue to monitor federal activities associated with the new Lead NAAQS and communicate any EPA proposed actions/decisions impacting Delaware.	• Continued to follow; no significant activities warranted communication	• Ongoing
	2. Maintain open communications with Chamber of Shipping of America and the U.S. Coast Guard regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.	• No activity this period	• 12/10
	3. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.		
	a. Participate in inter-agency consultation workgroup's 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate.	• Participated and worked to improve flow of information at <ul style="list-style-type: none"> <li>• Monthly WILMAPCO meetings for New Castle County</li> <li>• Biannual workgroup meetings for Kent and Sussex Counties</li> </ul>	• Ongoing
	b. Continue to provide comments and/or recommendations to the Metropolitan Planning Organizations (MPOs) and DelDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3, as appropriate.	• Provided recommendations and comments on funding projects during this period	• Ongoing
	c. Schedule presentation of the mobile source air toxics results, if appropriate, following the release of the DATAS Phase II report.	• DATAS Phase II Report has not been release to date	• Unknown
	4. Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.	• Continued to participate and maintain open communication on both projects	• Ongoing
	5. Continue working with MARAMA and EPA R3 on a regional outreach program for the Clean Diesel Campaign.	• Met with EPA on 4/8 and 6/23 on developing concept and path forward	• Ongoing
	6. Promote smart growth oversight that encourages consideration of impact of mobile source emissions.	• Continued to review and comment on Preliminary Land Use Service (PLUS) applications	• Ongoing

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Identify options for reducing air toxics in the environment</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	7. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.		
	a. Newly proposed amendments to federal MACT and incinerator standards.		
	i. Boiler and Process Heater MACT standard.	<ul style="list-style-type: none"> <li>• Initial review of EPA's 6/4/10 proposed adoption of an "area source boiler rule" (Sub JJJJJJ) was completed and communicated internally</li> <li>• Review of EPA's 6/4/10 proposed changes to the "Boiler MACT" (Sub DDDDD) is underway</li> </ul>	<ul style="list-style-type: none"> <li>• 8/10</li> <li>• 8/10</li> </ul>
	ii. Federal Commercial and Industrial Solid Waste Incinerator standard.	<ul style="list-style-type: none"> <li>• Review and update of CISWI source inventory completed; no affected Delaware sources found</li> <li>• Review of EPA's 6/4/10 proposed changes to 40CFR Part 60 Sub CCCC is underway</li> </ul>	<ul style="list-style-type: none"> <li>• - - -</li> <li>• 8/10</li> </ul>
	b. Newly proposed federal residual risk standards.		
	i. Federal Sub N (Chrome plating facilities).	• No EPA proposed rule to date	• Unknown
	ii. Federal Sub RRR (Secondary aluminum smelters).	• No EPA proposed rule to date	• Unknown
	iii. Federal Sub VVV (Publicly Owned Treatment Works).	• No EPA proposed rule to date	• Unknown
	iv. Federal Sub III (Flexible Polyurethane Foam).	• No EPA proposed rule to date	• Unknown
	c. Newly proposed federal area source standards under Section 112(k).	• Commenced review of proposed Sub JJJJJ (Area source boiler rule)	• 8/2/30

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Identify options for reducing air toxics in the environment</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	8. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.		
	a. Follow amendment of federal Reciprocating Internal Combustion Engines (Federal Sub ZZZZ) for existing area sources.	<ul style="list-style-type: none"> <li>EPA issued final rule on 3/3/10; adoption of area source standard will be evaluated and incorporated into the Area Source Program during the development of the 2011 ATSP</li> </ul>	<ul style="list-style-type: none"> <li>10/10</li> </ul>
	b. Federal Industrial, Commercial and Institutional Boiler standard for area sources.	<ul style="list-style-type: none"> <li>Initial review of EPA's 6/4/10 proposed adoption of an "area source boiler rule" (Sub JJJJJ) was completed and communicated internally; no comments expected to be submitted</li> </ul>	- - -
	c. Determine timing and path forward for case-by-case MACT determination for Boiler MACT (Federal Sub DDDDD).	<ul style="list-style-type: none"> <li>Preparing comments for both the major source (Sub DDDDD) and area source boiler rules (Sub JJJJJ)</li> </ul>	<ul style="list-style-type: none"> <li>8/2/10</li> </ul>
	9. Participate in development of the rulemaking strategy for		
	a. Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed.	<ul style="list-style-type: none"> <li>Rulemaking strategy activities have been put on hold by Division of Air Quality pending finalization of recent federal proposal to modify Sub CCCCCC</li> </ul>	<ul style="list-style-type: none"> <li>4Q/10</li> </ul>
	10. Implement other air toxics-related communications and outreach programs.		
	a. Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.		
	i. Claymont Coalition.	<ul style="list-style-type: none"> <li>Maintained open communication channels regarding air toxics and other community issues</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	ii. Explore new outreach opportunities.	<ul style="list-style-type: none"> <li>No new air toxics community outreach needs were requested or surfaced during this period</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	b. Continue to support Engineering and Compliance's community/industrial air toxics outreach programs.	<ul style="list-style-type: none"> <li>Provided routine support to Engineering and Compliance staff</li> <li>No major requests for support were received this period</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Identify options for reducing air toxics in the environment</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	11. Identify grant and funding opportunities.		
	a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.	<ul style="list-style-type: none"> <li>Submitted 2010 Diesel Emissions Reduction Act (DERA) grant application, which has been approved</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	b. Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.	<ul style="list-style-type: none"> <li>Continued to exchange information and work with Delaware Emergency Management Agency (DEMA) and the Public Service Commission (PSC) to improve the energy-related aspects of the emergency management plan</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	12. Evaluate the need for the development of additional Source Category Permits to address air toxics issues.	<ul style="list-style-type: none"> <li>No opportunities were identified during the period</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>

## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010</b>	1. Insure continued or improved compliance of stationary sources.		
	a. Continue to perform full compliance evaluations (FCEs) of major air toxics sources in accordance with the applicable compliance monitoring plan.	• No major air toxics source FCEs were scheduled during this period	• 9/11
	b. Perform full compliance evaluations (FCEs) at area air toxics sources not included in the compliance monitoring plan as follows:		
	i. The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2010-11 timeframe.	• No FCEs conducted this period	• 9/11
	ii. The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2010-11 timeframe.	• No FCEs conducted this period	• 9/11
	iii. The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2010-11 timeframe.	• No FCEs conducted this period	• 9/11
	iv. The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2010-11 timeframe.	• No FCEs conducted this period	• 9/10
	v. The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2010-11 timeframe.	• No FCEs conducted this period	• 9/11
	vi. The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2010-11 timeframe.	• No FCEs conducted this period	• 9/10
	vii. The two (2) plating and polishing facility, subject to 1138 Sect 10, covered during the 2010-11 timeframe.	• No FCEs conducted this period	• 9/11
	viii. The one (1) source, subject to electric arc furnace (Federal Sub YYYYYY), covered during the 2010-11 timeframe.	• No FCEs conducted this period	• 9/11

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	1. Insure continued or improved compliance of stationary sources.		
	c. By 9/10, perform compliance evaluations (CE) at area air toxics sources as follows:		
	i. 25% or ~20 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; current population is ~72 facilities.	<ul style="list-style-type: none"> <li>• <b>Completed 11 compliance evaluations</b> (or nearly 15% of current population) during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 9/10</li> </ul>
	ii. 25% or ~40 auto body refinishing shops subject to 1124 Sect 11; current population is ~160 facilities.	<ul style="list-style-type: none"> <li>• <b>Completed 43 compliance evaluations</b> (or nearly 27% of current population) during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 9/10</li> </ul>
	iii. 10% or ~60 gasoline delivery vessels (GDVs); current population is ~600 GDVs.	<ul style="list-style-type: none"> <li>• <b>Completed perceptible leak tests</b> during delivery transfers at gasoline stations on 90 GDVs (or ~15% of the permitted GDVs) during this period</li> <li>• Continued to provide compliance assistance to GDV fleet owners in meeting annual testing and permitting requirements</li> </ul>	<ul style="list-style-type: none"> <li>• 9/10</li> <li>• Ongoing</li> </ul>
	d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities (GDFs) that are subject to vapor balancing requirements of Regulation 1124.	<ul style="list-style-type: none"> <li>• Tracked the vapor recovery system testing of 185 GDFs (~52% of current GDFs)</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities (GDFs), subject to Regulation 1124, during 2010; current population is ~355 GDF facilities.	<ul style="list-style-type: none"> <li>• Conducted inspection at 65 regulated GDFs (~18% of regulated GDFs)</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	f. Incorporate updated MACT and Residual Risk requirements in air permits.		
	i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.	<ul style="list-style-type: none"> <li>• No permits required renewal during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	ii. Incorporated area source standard requirements during renewal or reopening of Title V permits for		
	1. Claymont Steel to include the Electric Arc Furnace (Federal Sub YYYYYY) requirements by 7/10.	<ul style="list-style-type: none"> <li>• Permit language being prepared</li> </ul>	<ul style="list-style-type: none"> <li>• 12/10</li> </ul>
	iii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.	<ul style="list-style-type: none"> <li>• No permits required reopening during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	1. Insure continued or improved compliance of stationary sources.		
	g. Continue discussions for additional reduction of multi-pollutants (incl. Hg) from EGUs under 25MW.	• Pending response from the site	• Ongoing
	h. Determine timing and path forward for case-by-case MACT determination for Boiler MACT (Federal Sub DDDDD).	• Preparing comments for both the major source (Sub DDDDD) and area source boiler rules (Sub JJJJJ)	• 8/2/10
	i. Continue to incorporate Area Source Standard requirements into new or existing natural minor or synthetic minor source permits for		
	i. Johnson Controls to include Lead Acid Battery Manufacturing Plant (1138 Sect 11) requirements by 9/10.	• No activity this period	• 12/10
	ii. St. Francis Hospital to include Hospital Ethylene Oxide Sterilizers (1138 Sect 9) requirements by 12/10.	• Reassigned source during the period	• 12/10
	iii. Perc Dry Cleaning facilities (1138 Sect 5) and issue by 9/10.	• Continued to qualify and update perc dry cleaning source inventory	• 9/10
	j. Complete Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for		
	i. Sources subject to the Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15) by 4Q/10.	<ul style="list-style-type: none"> <li>• Actively participated in</li> <li>• The 3 EPA/DNREC “Collision Repair Training Workshops” in January 2010</li> <li>• The 3 DNREC public workshops on the adoption of Section 15 in February 2010</li> <li>• Continued to provide compliance assistance</li> <li>• In response to questions from the regulated community</li> <li>• As a part of the ongoing auto-body source identification program</li> </ul>	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> <li>• Ongoing</li> </ul>

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	2. Promote the implementation of mobile source air toxics reduction initiatives/programs.		
	a. Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.	<ul style="list-style-type: none"> <li>• <b>Conducted public outreach</b> on 6/9 at the New Castle County “Platinum Picnic” (500 attended)</li> <li>• <b>Conducted public outreach</b> on 6/30 at the Wilmington Blue Rock game (4500 attended)</li> </ul>	• Ongoing
	b. Continue to support of the SmartWay Transport programs, as appropriate.		
	i. Complete Smyrna Rest Stop Electrification project.	<ul style="list-style-type: none"> <li>• Contracts signed and purchase orders issued during this period</li> <li>• Construction should commence in 9/10</li> </ul>	- - - • 12/31/10
	ii. Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.	<ul style="list-style-type: none"> <li>• Monitored the installation of the truck electrification project at Delaware’s I-95 Rest Area</li> <li>• Finalized plans for the Delaware State Fair outreach program</li> </ul>	• 4Q/10 • 8/10
	c. If DATAS Phase II identifies mobile source-driven “hot spots”, initiate development of a mobile source air toxics reduction or education programs.	• DATAS Phase II Report has not been release to date	• Unknown
<b>New</b>	d. Complete Port of Wilmington engine replacement project.	• On hold awaiting delivery of engines	• 10/10

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“**New**” designates an activity being undertaken in 2010 that were not included in the final Air Toxics Strategic Plan for calendar year 2010.

## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	3. Implement other air toxics-related communications and outreach programs.		
	a. Continue to conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> <li>• Reevaluating content and focus of the current anti-idling outreach program for schools</li> <li>• Planned anti-idling outreach for the July State Fair</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> <li>• 8/1</li> </ul>
	b. Assess need for an educational program for DAQ's "Community Air Toxics" study by 3/10.	<ul style="list-style-type: none"> <li>• Educational program not needed at this time</li> </ul>	<ul style="list-style-type: none"> <li>• 2011</li> </ul>
	c. Complete development of educational materials for DAQ's "Community Air Toxics" study and begin implementation, if needed.	<ul style="list-style-type: none"> <li>• No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>• 2011</li> </ul>
	d. Continue to improve compliance with Delaware's open burning requirements.		
	i. Evaluate and improve, if needed, Delaware's open burning website and education materials. <b>Currently, On hold due to funding constraints</b>	<ul style="list-style-type: none"> <li>• All changes on hold due to lack of funding</li> </ul>	<ul style="list-style-type: none"> <li>• Unknown</li> </ul>
	ii. Continue to educate the public on Delaware's open burning restrictions.	<ul style="list-style-type: none"> <li>• Provided guidance, outreach and educational material to the poultry industry during March and April on eradication of chicken house that collapsed under heavy winter snow falls</li> <li>• No general educational programs offer during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> <li>• Unknown</li> </ul>

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	4. Provide support to small businesses on air toxics related issues.		
	a. Provide compliance assistance to electroplating facilities, where needed, during the initial implementation of the Plating and Polishing standard (1138 Sect 10).	<ul style="list-style-type: none"> <li>• <b>Completed</b> appraisal for needs for additional compliance assistance</li> <li>• No additional assistance was needed</li> </ul>	- - -
	b. Provide compliance assistance to auto-body shops and other affected small businesses during the regulatory development and initial implementation of the Motor Vehicle and Mobile Equipment (1138 Sect 15) and Miscellaneous Parts and Products (1138 Sect 14) surface coating standards.	<ul style="list-style-type: none"> <li>• <b>Developed and presented</b>, along with EPA and the Division of Air Quality, three special “Collision Repair Training” programs (one in each county) in January 2010</li> </ul>	- - -
		<ul style="list-style-type: none"> <li>• Provided pertinent information to the auto-body business sector <ul style="list-style-type: none"> <li>• Frequent updates to the DNREC’s Small Business webpage</li> <li>• Mailing information on and participation in the three regulatory public workshops conducted in February 2010</li> </ul> </li> <li>• Responding to follow-up telephone call after both the January “Collision Repair” and February regulatory workshops</li> </ul>	- - -
		<ul style="list-style-type: none"> <li>• Provided a regulatory review to the Chamber of Commerce, as well as regular status updates</li> </ul>	- - -
	c. Provide compliance assistance to gasoline distribution facilities, where needed, during the regulatory development of a Delaware standard (Federal Sub BBBBBB).	<ul style="list-style-type: none"> <li>• Regulatory development has been put on hold pending finalization of EPA’s proposed changes to Sub BBBBBB</li> </ul>	• 3Q/11
	d. Provide compliance assistance to gasoline dispensing facilities, where needed, during the regulatory development of a Delaware standard (Federal Sub CCCCCC).	<ul style="list-style-type: none"> <li>• Regulatory development has been put on hold pending finalization of EPA’s proposed changes to Sub CCCCCC</li> </ul>	• 3Q/11
	e. Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program.	<ul style="list-style-type: none"> <li>• Provided pertinent information and guidance to interested marinas.</li> </ul>	• Ongoing

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	5. Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.		
	a. Implement an enhanced air toxics-related educational outreach for auto-body shops (and similar small businesses) that repair damaged motor vehicles and mobile equipment.	<ul style="list-style-type: none"> <li>• <b>Obtained</b> funding through partnering with EPA Region 3 to present educational training to the auto-body business sector in Delaware</li> <li>• <b>Collaborated</b> with EPA's "Design for the Environment" and Region 3 to present "Best Practices in Collision Repair" and "Energy Star in the Workplace" information auto-body shop owners and technicians</li> <li>• <b>Presented</b>, along with EPA and the Division of Air Quality, three "Collision Repair Training" programs (one in each county) in January 2010</li> </ul>	<p>---</p> <p>---</p> <p>---</p>
	6. Improve and enhance the content, ease of accessing, and information flow of DAQ's "Air Toxics" web site.		
	a. Evaluate identified "Air Toxics" web site improvements by 6/10.	• Reviewed other State's "Air Toxics" web sites to identify potential improvements to evaluate	• Ongoing
	b. Complete installation of the initial phase of the "Air Toxics" web site redesign by 12/10.	• No activity this period	• 12/10
	7. Continue to provide pertinent and timely information to the public and regulated community on DAQ's "Proposed Regulations" web site during the adoption of new air toxics standards.	<ul style="list-style-type: none"> <li>• Continued to maintain "Regulatory Websites during the adoptions of               <ul style="list-style-type: none"> <li>• Section 14 (Misc Surface Coating)</li> <li>• Section 13 (Paint Stripping)</li> <li>• Section 15 (Motor vehicle Surface Coating)</li> <li>• Section 16 (Asphalt Roofing)</li> </ul> </li> </ul>	<p>---</p> <ul style="list-style-type: none"> <li>• 11/10</li> <li>• 11/10</li> <li>• 1/11</li> </ul>

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	8. Submit delegation package for		
	a. Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 13-15) by 12/10.	• No activity this period; development ON HOLD pending Secretary's decision on adoption of Sections 13 and 15	• 12/10
<b>New</b>	b. Title V-related area source standards (Federal Sub AAAA, EEE, and YYYYYY) by 12/10.	• No activity this period	• 12/10
	c. Area standard applicable to Asphalt Processing and Asphalt Roofing Manufacturing (Federal Sub AAAAAAA).	• No activity this period	• 1Q/11
	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	a. Amend Regulation 1131 to expand the low enhanced inspection and maintenance (I/M) program statewide by 3Q10.	• On hold pending finalization of the ozone NAAQS	• Unknown
	b. Assist in initial stringency determination between Federal Sub CCCCCC vs. existing Delaware regulations by 4/10.	• Rulemaking strategy activities have been put on hold by Division of Air Quality pending finalization of recent federal proposal to modify Sub CCCCCC	• 1Q/11
	c. Submit Start Action Notices for		
	i. Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBB) by 4/10, if necessary.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub BBBB	• 1Q/11
	ii. Area standard applicable to Gasoline Distribution Facilities (Federal Sub CCCCCC) by 4/10, if necessary.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub CCCCCC	• 1Q/11
	iii. Amending the General Provisions (1138 Sect 3) by 8/10.	• No activity this period; adoption ON HOLD pending EPA's finalizing planned startup, shutdown, and malfunction plan changes in Sub A	• 3Q/10
<b>New</b>	iv. Area standard applicable to Asphalt Processing and Asphalt Roofing Manufacturing (Federal Sub AAAAAAA).	<ul style="list-style-type: none"> <li>• <b>Submitted</b> Start Action Notice (SAN) to commence adoption as Section 16 on 5/4/10</li> <li>• <b>Secretary approved</b> on 6/18/10 under SAN 2010-17</li> </ul>	- - -

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“**New**” designates an activity being undertaken in 2010 that were not included in the final Air Toxics Strategic Plan for calendar year 2010.

## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	d. Complete stringency determinations for		
	i. Municipal Solid Waste Landfill (Federal Sub AAAA) requirements in the three current DSWA Title V permits.		
	1. Assess impact of April 2006 amendment of Municipal Solid Waste Landfill (Federal Sub AAAA) on area sources requirements for the three DSWA Title V permits by 3/10.	• <b>Completed assessment</b> ; determined that the Title V permits are no less stringent than federal standard	- - -
	2. Develop path forward for implementation or revision of the three DSWA Title V permits by 3/10.	• <b>Dropped</b> ; not necessary based upon completed assessment	- - -
	3. Commence implementation of path forward by 12/10, if needed.	• <b>Dropped</b> ; not necessary based upon completed assessment	- - -
	ii. Hazardous Waste Combustor (Federal Sub EEE) requirements in current DuPont X Station Title V permit by 3/10.	• No activity this period	• 12/10
	iii. Electric Arc Furnace (Federal Sub YYYYYY) requirements <b>during renewal</b> of Claymont Steel Title V permit by 3/10.	• Permit language being prepared	• 12/10
	iv. Area standard applicable to Paint Stripping Operations (1138 Sect 13) by 5/10.	• <b>Completed</b> stringency determination on proposed Sect 13 on 3/17/10; DE proposal as stringent as the federal requirements	- - -
	v. Area standard applicable to Motor Vehicles and Mobile Equipment Surface Coating Operations (1138 Sect 15) by 5/10.	• <b>Completed</b> stringency determination on proposed Sect 15 on 3/17/10; a few DE compliance requirements are more stringent than the federal requirements	- - -
	vi. Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed.	• Rulemaking strategy activities have been put on hold by Division of Air Quality pending finalization of recent federal proposal to modify Sub CCCCCC	• 2Q/11
	vii. Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBB) by 9/10.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub BBBB	• 2Q/11
	viii. Area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCCCC) by 9/10.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub CCCCCC	• 2Q/11

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## **2010 Air Toxics Strategic Plan – Mid-year Detailed Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	e. Finalize the adoption of area source standards for		
	i. Paint Stripping Operations (1138 Sect 13) by 10/10.	<ul style="list-style-type: none"> <li>• <b>Conducted</b> three public workshops in February 2010</li> <li>• <b>Held</b> public hearing on 6/10/10</li> </ul>	• 9/10
	ii. Miscellaneous Parts and Products Surface Coating Operations (1138 Sect 14) by 4/10.	• <b>Published</b> final Sect. 14 in the DE Register on 4/1/10	- - -
	iii. Motor Vehicles and Mobile Equipment Surface Coating Operations (1138 Sect 15) by 10/10.	<ul style="list-style-type: none"> <li>• <b>Conducted</b> three public workshops in February 2010</li> <li>• <b>Held</b> public hearing on 6/10/10</li> </ul>	• 9/10
	iv. Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBBBB) by 12/10.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub BBBBBB	• 3Q/11
	v. Area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCCCC) by 12/10.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub CCCCCC	• 3Q/11
	vi. Area standard applicable to Asphalt Processing and Asphalt Roofing Manufacturing (Federal Sub AAAAAAA).	<ul style="list-style-type: none"> <li>• <b>Completed</b> the initial draft of Section 16 on 6/16/10</li> <li>• Initial stringency determination is underway</li> </ul>	• 12/10
	f. Revise existing and develop new control strategies, as needed.		
	i. Develop path forward for the recently promulgated Federal Hospital/Medical/Infectious Waste Incinerator (HMIWI) standard by 3/10.	<ul style="list-style-type: none"> <li>• <b>Completed on 3/17/10</b> having</li> <li>• <b>Reviewed and updated</b> existing incinerator source inventory</li> <li>• <b>Concluded</b> to pursue withdrawal of DE's existing HMIWI State Plan and to submit a negative declaration prior to October 2010</li> </ul>	- - -
	ii. Initiate revisions to the State Plan for Hospital/Medical/Infectious Waste Incinerators (HMIWIs), if necessary.	• <b>Completed on 6/17/10</b> with submittal to EPA R3 requesting the withdrawal of the HMIWI Plan and making the negative declaration.	- - -

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## **2010 Air Toxics Strategic Plan – Mid-year Detailed Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	g. Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and develop regulatory path forward, if necessary.		
	i. Develop regulatory path forward for Gasoline Distribution Operations (Federal SubBBBBBB) by 3/10, if necessary.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to SubBBBBBB	• 1Q/11
	ii. Develop regulatory path forward for Gasoline Dispensing Facilities (Federal Sub CCCCCC) by 3/10, if necessary.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub CCCCCC	• 1Q/11
	h. Follow development of federal residual risk standards affecting area sources, if amended.		
	i. Federal Sub N (Chrome plating facilities).	• No EPA proposed rule to date	• Unknown
	ii. Federal Sub RRR (Secondary aluminum smelters).	• No EPA proposed rule to date	• Unknown
	iii. Federal Sub VVV (Publicly Owned Treatment Works).	• No EPA proposed rule to date	• Unknown
	i. As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.	• Determined there was no need for outreach associated with the adoption of Section 16 (Sub AAAAAAA)	- - -
	j. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.		
	i. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/10, if required.	• Identified known sources affected by EPA's 1/5/10 promulgation of the area source prepared feeds standard (Sub DDDDDDD)	• Ongoing
	ii. Coordinate the development and incorporation of new and newly revised standards into the Area Source Program – Implementation Plan as part of the Air Toxics Strategic Planning process.	• No activity this period	• 10/10
	iii. Update the Area Source Program – Implementation Plan, as needed.	• Began adoption of Sub AAAAAAA in 5/10 in lieu of planned adoption of SubBBBBBB and Sub CCCCCC, due to EPA proposed revisions to SubBBBBBB and Sub CCCCCC	• Ongoing

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	k. As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between DAQ and small businesses.		
	i. Gasoline distribution facilities (Federal Sub BBBBBB).	• Regulatory development has been put on hold pending finalization of EPA's proposed changes to Sub BBBBBB	• 3Q/11
	ii. Gasoline dispensing facilities (Federal Sub CCCCCC).	• Regulatory development has been put on hold pending finalization of EPA's proposed changes to Sub CCCCCC	• 3Q/11
<b>New</b>	l. Amend Regulation 1140 by 4Q/10 by incorporating the CAL-LEV II requirements.	• Commenced development of the draft regulatory language	• 12/10
	10. Implement a "Smoking Vehicle Reduction Program".		
	a. Evaluate the use of a remote sensing program to monitor smoking vehicles by contracting with Environmental Systems Products (ESP).	• <b>Evaluation completed;</b> determined not to pursue ESP's technology at this time	- - -
	b. Initiate baseline testing of smoking vehicles through the remote sensing program.	• On hold, no funding available to conduct baseline testing at this time	• Unknown
	11. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, as appropriate.	• Continued to conduct audits throughout the period • Completed audit results analysis; report currently undergoing final review	• Ongoing • 7/31/10
	12. Develop and implement improvements for inspection and maintenance (I/M) reporting process.	• <b>Completed report improvements</b> during the period	- - -
	13. Facilitate the implementation of diesel retrofits.		
	a. Complete school bus retrofits in three new school districts.	• <b>Diesel retrofits were completed</b> • Cape Henlopen School District • Capital School District • Providence Creek School District	- - -
	b. Complete City of Wilmington garbage truck retrofits.	• Commenced truck retrofit installation	• 8/10
	c. Complete City of Dover truck retrofits.	• Orders placed for truck retrofit	• 12/10
<b>New New</b>	d. Complete City of Newark truck retrofits.	• No activity this period; the City of Newark is considering retrofitting their trucks	• Unknown

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## **2010 Air Toxics Strategic Plan – Mid-year Detailed Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	14. Continue to work with other State agencies including DPH on air toxics communications and outreaches.	<ul style="list-style-type: none"> <li>Continued to maintain open communication channels with DPH during this period</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	15. Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting the diesel emission reductions.	<ul style="list-style-type: none"> <li>Collaborated with Division of Air Quality on outreach activities scheduled for Summer and Fall 2010.</li> </ul>	- - -
	16. Commence development of a public outreach associated with the implementation of the revised statewide enhanced low inspection and maintenance (I/M) program.	<ul style="list-style-type: none"> <li>Development of public outreach program remains “On Hold” pending resumption of regulatory activities</li> </ul>	<ul style="list-style-type: none"> <li>Unknown</li> </ul>
	17. Evaluate opportunities to incorporate air toxics and particulate matter into the secondary school curriculum.	<ul style="list-style-type: none"> <li>“On hold” due to limited manpower</li> </ul>	<ul style="list-style-type: none"> <li>Unknown</li> </ul>
	18. Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.	<ul style="list-style-type: none"> <li>No opportunities identified this period</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	19. Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include:		
	a. Energy efficiency/conservation education, outreach, technical assistance.	<ul style="list-style-type: none"> <li><b>Completed energy-related outreaches</b> <ul style="list-style-type: none"> <li>Great Green Expo on 3/20</li> </ul> </li> <li>Prepared for future outreach activities               <ul style="list-style-type: none"> <li>Delaware State Fair</li> <li>Delaware Electric Cooperative’s Annual Meeting</li> <li>Coast Day</li> </ul> </li> </ul>	- - -  <ul style="list-style-type: none"> <li>7/31/10</li> <li>8/10/10</li> <li>10/3/10</li> </ul>

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## 2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status

	Implement appropriate actions to reduce the harm from exposure to air toxics	6/30/10 Status	Expected Completion
<b>2010 Cont</b>	19. Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include:		
	b. Sustainable Energy Utility - SEU		
<b>New</b>	i. Establish State Building Energy Efficiency Program	<ul style="list-style-type: none"> <li>Continued to implement the Appliance Rebate Program</li> <li>Continued to implement the Commercial Lighting Efficiency Program</li> <li>Finalize development of the Residential Energy Efficiency Program; commence implementation of program in 3Q/10</li> <li>Finalize the expansion of the Commercial Efficiency Program into other applications; commence implementation of program in 3Q/10</li> <li><b>Introduced</b> the Green4Green new home program that provides rebates of up to \$6000 for upgrading homes to meet the national green standard on June 10</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> <li>Ongoing</li> <li>3Q/10</li> <li>3Q/10</li> <li>Ongoing</li> </ul>
<b>New</b>	ii. Home Performance	<ul style="list-style-type: none"> <li><b>Completed</b> training programs on residential and commercial energy codes <ul style="list-style-type: none"> <li>Training provided on 5/18 to 5/19</li> <li>Training provided on 5/25 to 5/26</li> <li>Training provided on 6/8 to 6/9</li> </ul> </li> </ul>	- - -
	20. Continue to identify and implement state facilities energy programs. State facilities energy programs include:		
	a. Utility Accounting	<ul style="list-style-type: none"> <li><b>Completed</b> transfer of implementation to the Office of Management &amp; Budget</li> </ul>	- - -
	b. Energy Saving Performance Contracting	<ul style="list-style-type: none"> <li><b>Completed</b> transfer of implementation to the Office of Management &amp; Budget</li> </ul>	- - -
	c. Electricity Procurement	<ul style="list-style-type: none"> <li><b>Completed</b> auction and signed contracts on April 7</li> </ul>	- - -

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“New” designates an activity being undertaken in 2010 that were not included in the final Air Toxics Strategic Plan for calendar year 2010.

## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010 Cont</b>	21. Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include:		
	a. Green Energy Program	<ul style="list-style-type: none"> <li>• <b>Legislation was passed</b> in June to provide greater flexibility in implementing the Green Energy Program</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	i. Photovoltaic Electric	<ul style="list-style-type: none"> <li>• <b>Awarded</b> 61 grants for \$1,410,000</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	ii. Solar Hot Water	<ul style="list-style-type: none"> <li>• <b>Awarded</b> 3 grants for \$9,000</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	iii. Geothermal	<ul style="list-style-type: none"> <li>• <b>Awarded</b> 24 grants for \$62,000</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	iv. Wind	<ul style="list-style-type: none"> <li>• No grants awarded this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. Technology Demonstration/Research & Development Grant Program	<ul style="list-style-type: none"> <li>• No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	c. Renewable Portfolio Goals	<ul style="list-style-type: none"> <li>• Conservation Block Grant in June to extend and expand the renewable portfolio standard through 2025</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	22. Continue to identify and implement transportation programs. Transportation programs include:		
	a. Clean State Program – focusing on greater use of alternative transportation fuels.	<ul style="list-style-type: none"> <li>• No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	23. Implement the “Energy Assurance Updates” by providing enhanced training for emergency personnel who respond during major disruptions to the energy supply.	<ul style="list-style-type: none"> <li>• No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	24. Implement the “Energy Efficiency and Conservation Block Grant” programs to reduce fossil fuel emissions, total energy use, and improve transportation efficiency.	<ul style="list-style-type: none"> <li>• <b>Completed</b> 3 initial guidance workshops (one per county) during April</li> <li>• <b>Completed</b> an additional grant workshop on June 8 for submission of the applications for competitive sub-grants</li> <li>• Nearly \$9,600,000 in grants are available to communities through is program</li> </ul>	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> <li>• Ongoing</li> </ul>

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## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010</b>	25. Continue to provide air toxics-related support to State through. . .		
<b>Cont</b>	a. Reviewing of air permits.	• No reviews requested this period	• Ongoing
	b. Providing current regulatory interpretations.		
	i. Advising on likely future trends and actions.	• Provided manpower implications of proposed HB 390	• Ongoing
	ii. Providing technical support, as needed.	• Provided regulatory guidance to OTC's Lightering Rule group	• Ongoing
	c. Support Engineering & Compliance in their implementation of the "Boiler MACT" case-by-case MACT determinations, if needed.	• No support requested during this period	• 12/10
<b>New</b>	26. Implement the multi-state Transportation & Climate Initiative (TCI) in Delaware.	• Participated in the design of a multi-state compact (TCI) to reduce greenhouse gas emissions from the transportation sector; this initiative will additionally reduce mobile source air toxics emission	• Ongoing
	27. Continue to implement an anti-idling program.		
<b>New</b>	a. Participate with the Ozone Transportation Commission (OTC) in the development of an OTC non-road anti-idling model rule.	• No activity this period	• Ongoing
	b. Continue to conduct school bus anti-idling outreach programs.	• No activity this period	• Ongoing
<b>New</b>	c. Evaluate and revise anti-idling outreach program, as needed.	• Completed an anti-idling survey to assess compliance with Regulation 1145 at selected schools throughout the state; nearly 30% of the buses were non-compliant • Presented the survey result to the Department of Education's Transportation Coordinator	- - -

"New" designates an activity being undertaken in 2010 that were not included in the final Air Toxics Strategic Plan for calendar year 2010.

## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010</b>	1. Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate. .	• Sampling is continuing as scheduled	• Ongoing
	2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.	• Activity is currently on hold pending identification of the key air toxics of concern, the overall level of risk, and geographic sensitivity	• Unknown
	3. By September, complete a self-assessment of major stationary source air toxics reduction and outreach programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.	• No activity during this period	• 12/10
	4. By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.		
	a. Anti-idling outreach programs.	• <b>Completed anti-idling assessments</b> at various schools throughout Delaware in 6/10 • Reevaluating content and focus of the current anti-idling outreach program for schools	- - - • Ongoing
	b. Environmental Crimes Unit's anti-idling compliance and enforcement programs.	• No activity this period	• Unknown

## **2010 Air Toxics Strategic Plan – Mid-year *Detailed* Status**

	<b>Air toxics resource development</b>	<b>6/30/10 Status</b>	<b>Expected Completion</b>
<b>2010</b>	1. Evaluate available training and encourage broader participation in risk-related training.		
	a. Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.	<ul style="list-style-type: none"> <li>• Travel is restricted; communicated availability of air toxics related webinars</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.	<ul style="list-style-type: none"> <li>• No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	c. Evaluate the need for air toxics-related training for staff and present, as needed.	<ul style="list-style-type: none"> <li>• No recently promulgated rules needed to be presented to staff</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.	<ul style="list-style-type: none"> <li>• Facilitated presentation of air toxics webinars for staff at both facilities</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	2. Assess and pursue implementation of a process for multi-agency sharing of source information for new and existing sources, including gasoline delivery vessels.	<ul style="list-style-type: none"> <li>• Completed assessment of process for auto body sector and began implementation with a program to identify new and previously unknown sources</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	3. Develop and implement mechanisms to improve air toxics communications.		
	a. Continue to implement newly found mechanisms to improve air toxics communications between branches.	<ul style="list-style-type: none"> <li>• No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>• 12/10</li> </ul>
	b. Continue to promote open communications between DNREC and small businesses on air toxics issues.	<ul style="list-style-type: none"> <li>• Promoted open communication through               <ul style="list-style-type: none"> <li>• Encouraging attendance and active participation in the three special “Collision Repair Training” programs held in each county during January 2010</li> <li>• Encouraging attendance and active participation in the three regulatory public workshops conducted in February 2010</li> <li>• Responding to follow-up telephone call after both the January “Collision Repair” and February regulatory workshops</li> <li>• Providing the Chamber of Commerce with regulatory overview, along with updates on the status of the regulatory development</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>